

15. The assembly of claim 13, wherein the swing stop limits the rotation of the wing about the mount to about 90 degrees of revolution or less.

16. The assembly of claim 13, wherein the threaded shaft has a longitudinal bore there through.

17. The assembly of claim 16, wherein the longitudinal bore has two or more openings.

18. The assembly of claim 17, wherein at least one of the openings are disposed at or adjacent the head of the threaded shaft.

19. The assembly of claim 13, wherein the wing mount comprises a hub and an axle.

20. The assembly of claim 13, wherein the wing is flat and its width approximates or is less than the width of the head of the threaded shaft.

21. The assembly of claim 13 further comprising:

an installation tool that controls deployment of the wing from a first position parallel to the linear axis of the threaded shaft to a second position not parallel to the linear axis of the threaded shaft.

22. The assembly of claim 21, wherein the tool has a first end that mates with at least one end of the wing.

23. The assembly of claim 21, wherein the threaded shaft passes through the tool.

24. The assembly of claim 21, wherein the tool is a sleeve having a first end that mates with at least one end of the wing.

25. The assembly of claim 21, wherein the tool is rotated about and pushed along the linear axis of the threaded shaft to deploy the wing from a first position to a second position.

26. The assembly of claim 13 further comprising a nut assembly engaged with the threaded shaft.

27. The assembly of claim 26, wherein the nut assembly is selected from the group consisting of a conventional nut, a split-nut assembly, and a ball-and-socket nut assembly.

50. A flanged ball-and-socket nut assembly comprising:
a longitudinally split-nut having a convex hemispherical surface having an internal threaded bore for receiving a threaded shaft;
an approximately hemispherical elongated concave socket adapted to receive, mate with and retain the nut, the socket having a hole and slot through a portion thereof for receiving a portion of a threaded shaft engaged with the nut, wherein the slot and hole is smaller in size than the nut, and wherein the socket has a first larger inner diameter section and a second smaller diameter inner section; and
a flange attached to the first larger diameter portion at the periphery of the socket, the flange having a notch through a portion thereof, wherein the notch is sufficiently large in size to permit passage of the nut into the socket; wherein
the socket is adapted to compress the split-nut when the split-nut is engaged with the second smaller diameter inner section of the socket.
51. The flanged ball-and-socket nut assembly of claim 50, wherein the sections of the split-nut are longitudinally slidably engaged with each other.
52. The flanged ball-and-socket nut assembly of claim 50, wherein the split-nut comprises tool engaging means.
53. The flanged ball-and-socket nut assembly of claim 50 further comprising a sleeve interposed the socket and the split-nut.
54. The flanged ball-and-socket nut assembly of claim 53, wherein an outer portion of the sleeve engages the interior of the socket and the split-nut is disposed within a bore in the sleeve.
55. The flanged ball-and-socket nut assembly of claim 50, wherein the socket is a compression tower.
56. A pivot wing bolt tissue-tensioning assembly comprising:
a threaded shaft having a head comprising a wing mount;
a single wing having an aperture engaged with the wing mount such that the wing is rotatably mounted on the wing mount; and
a swing stop that limits the rotation of the wing from a first position approximating parallel to the linear axis of the threaded shaft to a second position approximating normal to the linear axis of the threaded shaft;

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wherein:

the linear axis of the wing is alignable with the linear axis of the threaded shaft; and
the swing stop limits the rotation of the wing about the wing mount to less than one revolution.

57. The pivot wing bolt tissue-tensioning assembly of claim 56, wherein the swing stop is integral with the wing.

58. The pivot wing bolt tissue-tensioning assembly of claim 56, wherein the swing stop is integral with the head of the threaded shaft.

59. A split-nut assembly comprising:

two or more nut sections which form a nut when assembled, the nut having a threaded bore; and
section retaining means selected from the group consisting of a band, a socket, and a combination thereof;

wherein the nut sections are spaced from one another a first distance when the section retaining means is engaged with a first portion of the split-nut and in closer proximity or in contact with one another when the section retaining means is engaged with a second portion of the split-nut; and
wherein the sections of the split-nut are detached from one another or attached to each other by way of a living hinge.

60. The split-nut assembly of claim 59, wherein the nut comprises a first annular groove having a first diameter, and a second annular groove having a second diameter, wherein the second diameter is larger than the first diameter and smaller than the widest diameter of the nut, and the section retaining means is engageable with the annular grooves of the nut.

61. The split-nut assembly of claim 60, wherein the section engaging means is a band disposed in either of the first and second grooves to keep the two or more nut sections in assembly.

62. The split-nut assembly of claim 59, wherein the section retaining means is a socket having a first larger diameter inner portion, and a second smaller diameter inner portion.

63. The split-nut assembly of claim 59, wherein the nut comprises a first annular portion having a longitudinally graded diameter and a longitudinally adjacent second annular portion having a longitudinally graded diameter, wherein the larger diameter portion of the second annular portion abuts the smaller diameter portion of the first annular portion, and wherein the section retaining

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means is a bar

of the same kind as those which have been found in the other parts of the country.